

CommonSpot™ 9.0.1

Release Notes



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About this Document

This document summarizes the following for the CommonSpot 9.0.1 release:

- Enhancements
- Notable Bug Fixes
- Important Notes

For detailed instructions for installing CommonSpot, see the current release of the *CommonSpot Installation Guide*.

For detailed instructions for upgrading from a previous version of CommonSpot, see the current release of the *CommonSpot Upgrade Guide*.

Before installing or upgrading to this release of CommonSpot, please review these [Important Notes](#).

Enhancements

Release 9.0.1 of CommonSpot includes the following enhancements.

Platform Support

This release adds support for Adobe ColdFusion 11 (with update 1) and the latest release of the Application Development Framework (ADF), version 1.8.

For the ADF 1.8 download and documentation, see:

<http://community.paperthin.com/projects/ADF/>

This release also adds support for the following browser versions:

- Firefox ESR 31
- Chrome 38

For additional information on environment support and system requirements, see:

<http://www.paperthin.com/support/tech-specs.cfm>

Multi-Root Level Site Configuration with Shared Database

For shared database environments using more than one root site, site name or alias references to CommonSpot site instances that included underscores were not processed by Railo, preventing certain tasks from running. CommonSpot now provides an option to specify site instance names by adding the site prefix to the site ID (for example, site{site-id}).

In addition to options 1 and 2 described under “Configuring Access to Sites for CommonSpot Processes” in the *Shared Database Configuration Guide*, this release includes the following new third option:

Option 3: Site instance names are formed by adding a site prefix (site{site-id}) to the server's internal URL (for example: site3.authoring.commonspot.edu). This is especially useful for addressing Railo 4.1.2 scheduled jobs issues, but can be used for ColdFusion configurations as well.

New Page Move Hook

Similar to the existing post-delete-page.cfm hook for deleting pages, the new post-move-page.cfm hook allows you to be notified when one or more pages are moved.

To use this callback create a `post-move-page.cfm` module and place it in the site's root directory. CommonSpot passes the `pageID` attribute to this module. This attribute contains a comma-delimited list of the IDs for moved pages.

New Body Tag Class ID and Body Style Overrides

Similar to `request.BodyTag_ClassOverride`, developers can now more easily set the class attribute of the `<body>` tag by defining the `request.BodyTag_IDOverride` variable. If this variable is set, CommonSpot renders the ID attribute on the `<body>` tag with this variable's value.

Another override, `Request.BodyTag_StyleOverride`, allows developers to set the style attribute for the `<body>` tag. Setting `Request.BodyTag_StyleOverride` places the contents of this variable inside the Style attribute of the `<body>` tag.

Setting these variables overrides any template variables defined in Subsite Administration > Additional Settings for either BodyTag_ID or BodyTag_StyleOverride.

To add these attributes, you must enable style sheets for the page and have at least one style sheet set configured, or the attribute will not be set.

Metadata Forms for Uploaded Documents

You can now bind metadata forms to uploaded documents.

Performance

This release includes a new Java/threaded implementation to minimize waiting for subsite cache updates and improve startup performance. Sites with a large number of subsites will see a significant performance gain whenever and subsite properties are changed and at startup.

Additional changes were made to element level caching logic eliminating some repetitive cache clears.

Image Description Field Changes

The image Description field no longer auto-populates with image file name and disallows blank descriptions. This field is now required to ensure the creation of meaningful ALT tag content.

Simple Form Usage

Usage information for individual simple forms is now available from the edit menu in the Actions column of the Simple Forms administrative dialog. This dialog also includes a new Usage button for viewing summary statistics for all simple forms at your site.

New Utility to Convert CommonSpot Page URL fields

This release deprecates the CommonSpot Page URL field and provides a tool for converting data to the newer CommonSpot Extended URL field. See "Important Notes" below.

Custom Elements

Changes to the Render Properties dialog resulted in CommonSpot returning all records for Custom Element queries in advance of applying filter criteria. A new Next button enables setting filters before rendering data selected dynamically or via the "One or More Records – Manually Selected (Content Reuse)" option.

Notable Bug Fixes

This release fixes issues for the following:

Caching

- Some page-level errors displayed with 200/OK HTTP status codes, leading to invalid content in downstream caches (proxy servers, etc.).
- Elements marked as 'render differently for indexing' used cache built for 'normal' rendering.
- Elements marked as 'do not include in output rendered for print' or 'render differently for print' used cache instead of rendering distinctly.

Content Creation API

If no default category was defined, using the Content Creation API to create a page returned an error.

Custom Elements

- Under certain circumstances, if no default sort order was specified, running a Custom Element filter generated the following error: Error Executing Database Query – Incorrect syntax near '{field}'.
- Contributors using link or image tools in a Custom Element edited from a Datasheet could also access Page and Image Galleries outside of the dashboard. Custom Element link permissions no longer allow this access.
- The Sort Order field for Custom Element – Edit Filter displayed only those fields enabled in the Data Browser Properties dialog. It now shows all fields.
- Under certain circumstances, Custom Element import operations produced unexpected results and errors.
- The Custom Element "Select Render Mode – Manual Ordering" dialog, under certain circumstances, did not properly display the order of the items as chosen. Items displayed correctly on the page, but on return to the dialog were sorted incorrectly by date.

HTML Element

Under certain circumstances, when publishing HTML from a Google docs spreadsheet graph using the HTML Element, JavaScript from the HTML would interfere with CommonSpot JavaScript making the element uneditable.

Keywords

Under certain circumstances, the Keyword Usage reports returned unexpected results. It was incorrectly using a 'like' operator so similar results may have been returned.

Multimedia

- Under certain circumstances, viewing standard properties for multimedia within the 'Multimedia Files & Playlists' report returned an error.
- Rendering pages with existing multimedia returned "private image" errors after upgrading to release 9.0, if the multimedia file was set to be excluded from Page Indexes or Search Results.

Page URL field

Attempts to edit the CommonSpot Page URL field, from within a Datasheet's Edit Form dialog produced an internal error.

Pasting

- Content pasted into CommonSpot Elements that included certain ligatures/glyphs that aren't rendered with proper mapping (for example, low-res or optimized PDFs with ligatures in the font), caused rendering and deserialization errors.
- Pasting text containing span tags produced unexpected results.

Performance

Queries with long lists of numeric values were not using the CommonSpot optimized database functions for MS SQL Server databases, resulting in database errors.

Preview

Preview displayed none of the items in a Bulleted List Element when one of the items was deleted. CommonSpot now checks for subitems and renders lists correctly on Preview.

Render Handlers

- The variable `ElementInfo.ContainerID` was available in previous versions and was removed causing an undefined variable error if existing render handlers tried to reference this variable. It is now being passed again to the render handler.
- Under certain circumstances, saving a custom render handler after updates produced an internal error.
- Replacing a Layout/Render Handler preview image displayed duplicate preview images in the "Choose Layout" dialog.

Replication

- Under certain circumstances, scheduled replication completed successfully but returned a "caught error in scheduled command" error.
- Accessing Replication Records from Site Administration on a read-only server returned a Permission Denied error.

Rich Text Editor

- Switching between the HTML and standard view removed input form fields entered to a display template.
- Limitations in Chrome and Safari disallowed use of the mouse to select images while in the Rich Text Editor. A work-around specific to these browsers addresses this issue.
- An IE-specific bug, where selection of an image tag was faulty, caused insertion of duplicate images when any update was made to the image tag.

Search

- Advanced search by category did not return images whose category was changed.

- CommonSpot returned no results when document file names were entered as custom criteria for advanced search or page indexes.
- Under certain circumstances, CommonSpot double-escaped special characters included in the description field of the Search Results Element.
- Elements (such as Page Index) marked as 'do not include in full-text search' were incorrectly indexed.

Select Field Type

- Under certain circumstances, after upgrading to release 9.0, viewing or editing properties for custom metadata forms containing Select fields created in earlier versions of CommonSpot returned an error.
- Some Custom Elements with a Select list field populated by a different Custom Element returned an error when defining the filter.

Shared Database

When deleting a read-only server from a shared-database cluster, scheduled job records associated with the deleted server were not removed, resulting in errors when using the Server Administration pages.

Simple Form Usage

Under certain circumstances, clicking a Usage link in the Simple Forms administrative dialog returned an error.

Spell Check

- Spellcheck was not available for keywords. CommonSpot now spellchecks the Keywords field in the Standard Properties dialog for users with create keyword rights for the current subsite. The Spellcheck dialog now displays an End Spell Check and Continue option to skip spell checking for all other fields.
- Under certain circumstances, the Spellcheck dialog remained open after CommonSpot reported an error.

Support

Support tickets displayed contact field data contained in Update Support Information, instead of the data for the user submitting the ticket. Contact information is now pre-populated with information from the current user session.

Upgrade

- Some installations reported errors on upgrade when creating the first full-text search collection.
- In some cases, upgrading produced unexpected changes to Element security.
- Some sites were unable to edit Datasheet columns after upgrading to release 9.0.

Uploaded Documents

- Canceling uploads before the process completed produced orphaned uploaded documents. Now the uploaded document is removed if the user does not complete the process.
- Links to uploaded documents with future publication dates produced a "problem loading a dialog" error.
- If no default document category was defined and the category field was "Hidden" in the Content Creation Settings for uploaded documents, CommonSpot returned an error. Site Administration – Page

Creation/Properties UI now requires a default document category before you can hide categories. See Important Notes below.

- Under certain circumstances, moving multiple uploaded documents between subsites returned an exception error, with Move Status reporting transfer for only half of the documents selected.

URL Parameters

For pages using URL parameters to display custom content, parameters were removed when switching views in CommonSpot, resulting in page errors. Now CommonSpot maintains these URL parameters.

Important Notes

The following describes issues that may affect the performance of your CommonSpot site. Please review these notes before installing or upgrading to this release.

Run Upgrade

All releases require running `/commonspot/upgrade/` to reset factory data, database indexes, and database functions and restarting Railo or ColdFusion.

PaperThin also recommends the following:

1. Run the stub files update utility. See Site Administration > Utilities > Rebuild Stub Files.
2. This update may result in outdated cache files. For best results, schedule a Rebuild Cache job to run periodically to make sure that even the oldest cache files are reasonably current. See Server Administration > Utilities > Server Scheduled Jobs.
3. Instruct all users to clear browser cache.

Read All Interim Release Notes and Relevant KB Articles

If you are upgrading from a release earlier than 6.0, read *all* interim release notes. These document important changes to system and configuration requirements, browser and server cache handling, scheduled jobs, text handling, and performance considerations. Make sure to read the 6.0, 6.1, 6.2.1 and Winter 2012 (v.7) and Summer 2012 (v.8) Release Notes, available from:

<http://www.paperthin.com/support/knowledgebase/doclibrary/index.cfm>

Also read all Support Knowledgebase articles relevant to your upgrade path.

Review Updates to Deprecated Values

For all releases, review updates to deprecated values on the PaperThin Support site. See:


<http://www.paperthin.com/support/knowledgebase/articles/deprecated-values.cfm> (requires login)

Note that as of release 9.0, deprecated values (including `Icon_ElementProps` struct) are no longer included in CommonSpot and will generate errors when used in custom code.




Deprecated CommonSpot Page URL (cs_url) Field

The CommonSpot Page URL (`cs_url`) field has been deprecated in 9.0.1 in favor of the CommonSpot Extended URL field. The Extended URL field stores the link internally in a format that is compatible with CommonSpot's core link management functionality, which the now deprecated CommonSpot Page URL (`cs_url`) field did not. As such, any forms using the now deprecated CommonSpot Page URL (`cs_url`) field, will not properly update links when the referring pages move.

The Commonspot Page URL field will still function, but you can no longer add it to existing or new custom elements. To support this change, this release includes a tool that first locates custom elements, metadata forms, and simple forms currently using the Commonspot Page URL field then converts data from the old relative URL format to the `pageID` format. PaperThin recommends that you convert existing CommonSpot Page URL fields to the CommonSpot Extended URL format for any fields that may link to pages that may move.

 **IMPORTANT NOTE:** Take a backup of the Content database, and convert using this utility only. Resetting the field type will *not* convert the data and will result in data corruption.


Access this dialog from Site Admin – Utilities – Site Tools. Click **Convert CommonSpot Page URL Field Type to CommonSpot Extended URL Field Type**. CommonSpot displays a list of all custom elements using the Page URL field.

Convert CommonSpot Page URL Field Type   

The following Custom Elements, Simple Forms, Metadata Forms have the CommonSpot Page URL type field. Select fields to be converted to CommonSpot Extended URL field type.

[Select All](#) [Deselect All](#)

Field Name ^	Form Name ^	Type	Shared	Actions
CSPageURL	SimpleForm202	Standard Simple Form	No	<input checked="" type="checkbox"/>
PageURL	GlobalCustomElement	Custom Element	No	<input checked="" type="checkbox"/>
ReferenceURL	MetadataForm1	Metadata Form	No	<input checked="" type="checkbox"/>
Admission Procedure Details	SimpleForm101	Standard Simple Form	No	<input checked="" type="checkbox"/>

 Showing 4 records.

Select the fields you want to convert, choose the **Convert** option from the More Actions dropdown, and click **Go**. CommonSpot completes the job of updating the field type and converting data.

Static Content Generation Removed

Static Content Generation is deprecated in this release of CommonSpot, affecting related utilities and scheduled jobs. For any sites using Static Content Generation, go to Site Administration > Utilities > Scheduled Jobs, and manually delete all Generate Static Content jobs. Failure to do this may result in very large log files.

MySQL Users

The latest versions of MySQL are 5.5.32/5.6.19.

NOTE: Adobe ColdFusion 9.x does *not* work with MySQL 5.6

In order to run this release of CommonSpot with the latest versions of MySQL, complete the following steps:

1. Stop the MySQL service.
2. Check your my.ini file for the following three options. Add any that are not defined, and make sure all settings match the following.
 - innodb_file_format=Barracuda
 - innodb_file_per_table=ON
 - innodb_large_prefix=ON

Note that for MySQL 5.6, my.ini is in a new location (the default is %PROGRAMDATA%\MySQL\MySQL Server 5.6\my.ini).

3. Restart MySQL.

If you do not modify these three options, you will see errors when creating a new site (or adding the demo site) or running upgrade.

Default Category Required

Setting the category field to Hidden in Page Creation/Properties UI now requires a predefined default category for documents at your site. Set the default through Site Administration – Content Classification – Content Categories. Sites currently using this inconsistent configuration may encounter errors saving new pages, uploaded documents, or registered URLs. Contact PaperThin Support for help diagnosing and resolving any issues encountered.

Escaped Characters in Search Results Descriptions

This release corrects an issue of double-escaping special characters entered in the Description field of the Search Results Element. Note that any render handlers that coded around this will display search results data without any HTML escaping. Modify render handlers accordingly.